



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Documents

Assembly instruction 51 M2

Material and plating

Connector parts

Center contact	Material	Brass	Plating	AuroDur®, gold plated
Outer contact	Material	Brass	Plating	Flash white bronze over silver(e.g. Optargen®)
Body	Material	Brass	Plating	Flash white bronze over silver(e.g. Optargen®)
Dielectric	Material	PTFE		
Gasket	Material	NeopreneCR 50C6		
Crimping ferrule	Material	Copper	Plating	Flash white bronze over silver(e.g. Optargen®)

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RFB00035/12.20/6.4

Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 31 dB, DC to 1 GHz ≥ 29 dB, 1 to 2 GHz ≥ 20 dB, 2 to 3 GHz
Insertion loss	≤ 0.05 dB, DC to 3 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	1500 V rms
Working voltage	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.46 Nm to 0.69 Nm

Environmental data

Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-102

Suitable cables

RG 316 /U, RG 174 A/U, RG 188 A/U

Weight

Weight	21.9 g/pce
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While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	10.08.04	Chr. Janßen	02.02.21	e00	20-1927	S. Huber-Siegl	02.02.21

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